



RECEIVED

NOV 12 2002

-1-

SEQUENCE LISTING

TECH CENTER 1600/2900

<110> University of Ottawa

<120> Mutations of the 5' region of the human 5-HT1A gene, associated proteins of the 5' region and a diagnostic test for major depression and related mental illnesses

<130> 881014US1

<140> 09/430,412

<141> 1999-10-29

<150> 60/106,375

<151> 1998-10-30

<160> 7

<170> PatentIn Ver. 2.1

<210> 1

<211> 3045

<212> DNA

<213> human

<400> 1

atcatcaata atatccgtta taaaagcttgc ttttcttttag gtttaacttta gaggccttga 60
agaataagag ctcatctctt tacaggagct ttgggttgcgca gcatttactt aagaaatatt 120
tggtattctg tatcttaag agttaaacat agaagaattg gcttaagtgaa aatgaatgaa 180
acgcaatatac attctgcata tattcattat tatatatcac agtattatttta gttttaaaag 240
ttaaacataaa atatcttata tgycattgsa cgaytaggys aacctartcr gtgctgcgaa 300
tactttcgat acttctgttt ccctccttagt attcataagt gtgcctttga aaacgttta 360
aattgtaaga aataaaaatgt ttgatataattt atgtatattt ttactaagaa aaaacttgaa 420
ttactttgga ttttgaaaaaa ctttgataaa ttctacatca tagcatattt aagcaagaat 480
aacaatgtct atacctcagg aatattaattt ccagatttttta cagcatttttta actttcttga 540
tgagaaaaaaa taaatttgc agttattttaa ctatttggat ccaacagatg aaagcagaat 600
tctaactaac atatattttt atttattttgt gatttacata ttacatgtg ttgtttgaca 660
caattcttaa ttatgttctt gatatgcata tatttgcattt ttaaattttta agtttcttt 720
attttacttt gtttatagtc tcaactataa tttcaaaatgt taatttttaga taattcagcc 780
ttttaaatat ttcccattta taattttgt gacctctaacc tctattttta ctgttaaatat 840
agttctgtat ttgtgaagag actttagaag tggaaataga taccttcaca aatcttaaaa 900
gacttcttca gagtctgtaa acagcattac catgtatact tatcttttc tttgcatgcc 960
atgatcatca caatgcattgg ctcatgtggt ggcattgtga atgattgagt gggactgtgc 1020
cagctgaact ataaaaaaaaaa aaaacaaaca aaaccttatac caaacacact gtcctgtatt 1080
gtaatgcatt gccccaaactg gattctttt gatgctttgg tgattgtctt tttgtttggg 1140
cttggagaat tcagagctat gaaattcaga gctcagattt gaacacaata ttaagattat 1200
tgcaatctgt agtgaatctg ttcatgttat ccagtgtaa ctgcttttga gattgcattc 1260
ctttcacctc aggcatgcaa tcaggatgtta taagttaaat gttgtgtgt atgttactg 1320
tagttgctta gaagtccatt ctttaccaat gctcaaatgt gattaaattt gttttcttgc 1380
taaaggaaac agcttagaac aaacccttgc aagtatctt atttcagtttga tttaacattt 1440
ccaaatgtta aatcatttgg aaaatgcaat actattcgat tctccaacaa aaggtaaattt 1500
tatgtcagtt ccaaagttca gtttatgaca gcacaaaacc aacacaggtg aaagtgttag 1560
cctagcttta tttaaatggc attccctagtt agaacttgc aatgacagat acttcaggct 1620
ttcgaaggaa gctaaaacat ataataggcc tgatataaa gtttcagagc aaaagaggc 1680

actaaaataa atttttaaag aaaataggaa ggagacaaaa ctcataacta ctttgtctt 1740
taataactgt cttectctt ctaaaagttt ttgtatttcc tcaataacttgc cttcatttct 1800
ggcataaggg ttccagatg gcaactctaaa acatggcca gaaggtggcg aacataaaac 1860
ctcattgctt agaactgtcc caggtgctga acccagttt tgagattaag agaggctagc 1920
cggttagcga accgggattt caccaagttt cccccagagg tttgcaggtt ctggtaagaa 1980
gtgcaaaagg ccatgtgaaa tgccaggctt cacttagaac acatatgcaa aatatttcca 2040
tccctgaatt tactagccac aaagctatgg gaagtggcag tgtcaactgaa attacaagtg 2100
tagtagtgat gggaaaagtgt gtgtgtgtt agaataatata tcacactgag ttttgttctt 2160
catttcgaga tgcaaggctt tacctctcct tgccttgc cacgtcctt ataatttcgt 2220
tctctcccggtt tcccccaacg taaaaaaa agtcacaggc aatatttccctt ctgagggagt 2280
aaggctggac tgtagatgaa taacggaggtt accgtttgtt tggtgttgc gtcgttgc 2340
gtttgtttt ggagacggag tctcgctctg tcgcccaggc tggagtgc 2400
acggaggtt cttttaaaaa acgaagacac actcggtctt cttccatcaa ttagcaataa 2460
ttggggact gacccaggac tggtcacctt cccattcagg ctccctatgc ttcctttctt 2520
catctcctat tgccactctg ggatgctgac acgatataag aatttggcag ataatatgag 2580
gcaaggagta gttggattt cctcccccac gttttccaa ccccgattt gctgggttgg 2640
aggcgagtt tatttggatc aaccttggtc tgaccggcag gatctgggtt gtgttaagtga 2700
gttctgagtc tctgttgaca aaaaagagact cgaatgcaaa gacgctgagc tagagggaga 2760
ggagggcggg gacccagagg aaagaggcacttccctgggtt tggggaaagta tttaggagggg 2820
agggttagag tggggaggaa ggagcctggc ttgcagactgactcacaaggcggataaataa 2880
agggaagtga ggaggaagag ggagactgaa agggaaaggca ggtggggaga agggggacga 2940
aagaggcaga agagagagaa gagaggagga gagagggggaa gagagggaaag gaaggaaataa 3000
gggagaggag ggtcacagag tgaccgtgga ggtatggggct tctcg 3045

<210> 2
<211> 24
<212> DNA
<213> human

<400> 2
aacgaagacn nnnnnnngtct tctt

24

<210> 3
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: sense primer

<400> 3
gtggcgaaca taaaacctca

20

<210> 4
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: antisense
primer

<400> 4	
ttcttaatc gtgtcagcat c	21
<210> 5	
<211> 29	
<212> DNA	
<213> human	
<400> 5	
ttaaaaacga agacacactc ggtcttctt	29
<210> 6	
<211> 29	
<212> DNA	
<213> human	
<400> 6	
ggaagaagac cgagtgtgtc ttcgaaaa	29
<210> 7	
<211> 31	
<212> DNA	
<213> rat	
<400> 7	
cggcataagc aagcccttat tgcacagagc t	31